



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera/

R. C. Aluminum Industries, Inc.
2805 NW 75th Ave
Miami, FL 33122

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "HC-200" Outswing Aluminum Casement Window - S.M.I.

APPROVAL DOCUMENT: Drawing No. **W05-18**, titled "Series HC-200 Aluminum Casement Wdw. (S.M.I.)", sheets 1 through 5 of 5, dated 04/08/05, prepared by AL-Farooq Corporation, with latest revised "D" dated 03/19/12, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series and following statement: "Miami-Dade County Product Control Approved" unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 10-0426.05 and consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J Gascon
6/26/12

NOA No. 12-0410.27
Expiration Date: June 30, 2015
Approval Date: July 05, 2012
Page 1

R. C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 05-0427.01)
2. Drawing No. **W05-18**, titled "Series HC-200 Aluminum Casement Wdw. (S.M.I.)", sheets 1 through 5 of 5, dated 04/08/05, prepared by Al-Farooq Corporation, with latest revised "**D**" dated 03/19/12, signed and sealed by Javad Ahmad, P. E.

B. TESTS

1. Test reports on: 1) Small Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum outswing casement window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4571** and **FTL-4509**, dated 03/17/05 and 02/02/05, both signed and sealed by Edmundo J. Largaespada, P. E.
(Submitted under previous NOA No. 05-0427.01)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of aluminum outswing casement window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4433** and **FTL-4415**, dated 02/02/05, 12/09/04, both signed and sealed by Edmundo J. Largaespada, P. E.
(Submitted under previous NOA No. 05-0427.01)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, dated 03/22/12, prepared by Al-Farooq Corporation, signed and sealed, by Javad Ahmad, P. E.
2. **Glazing complies with ASTM E 1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.01** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite® PVB Interlayer**" dated 09/08/2011, expiring on 12/11/2016.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0410.27
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F. STATEMENTS

1. Statement letter of no financial interest, conformance and compliance with the **FBC-2010**, dated 03/16/12, signed and sealed by Javad Ahmad, P. E.
2. Laboratory compliance letter for Test Reports No.'s **FTL-4433**, **FTL-4571**, **FTL-4509** and **FTL-4415**, issued by Fenestration Testing Laboratory, Inc., dated 02/02/05, 03/17/05 and 12/09/04, all signed and sealed by Edmundo J. Largaespada, P. E.
(Submitted under previous NOA's No's. 07-1019.03 and 05-0427.02)

G. OTHERS

1. Notice of Acceptance No. **10-0426.05**, issued to R. C. Aluminum Industries, Inc., for their Series "**HC-200 Aluminum Casement Window - S.M.I.**", approved on 06/23/10 and expiring on 06/30/15.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0410.27
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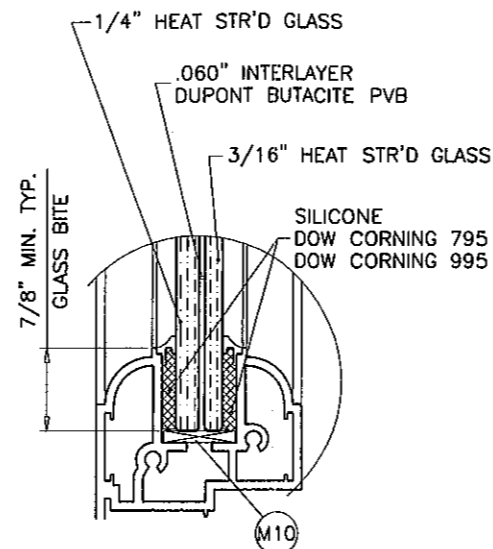
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		(X) SIZES	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
20"	36"	130.0	210.0
24"		130.0	210.0
28"		130.0	210.0
32"		130.0	165.0
36"		130.0	165.0
40"		130.0	165.0
42"		130.0	165.0
20"	42"	130.0	210.0
24"		130.0	210.0
28"		130.0	165.0
32"		130.0	165.0
36"		130.0	165.0
40"		130.0	151.7
42"		130.0	144.5
20"	48"	130.0	210.0
24"		130.0	165.0
28"		130.0	165.0
32"		130.0	165.0
36"		130.0	165.0
40"		130.0	165.0
42"		130.0	165.0
20"	54"	130.0	165.0
24"		130.0	165.0
28"		130.0	165.0
32"		130.0	165.0
36"		130.0	165.0
40"		130.0	157.3
42"		130.0	149.8
20"	60"	130.0	165.0
24"		130.0	165.0
28"		130.0	165.0
32"		130.0	165.0
36"		130.0	165.0
40"		130.0	150.0
42"		130.0	150.0
20"	66"	130.0	165.0
24"		130.0	165.0
28"		130.0	165.0
32"		130.0	165.0
36"		130.0	150.0
40"		130.0	150.0
42"		130.0	150.0
20"	72"	130.0	165.0
24"		130.0	165.0
28"		130.0	165.0
32"		130.0	165.0
36"		130.0	150.0
40"		130.0	147.5
42"		130.0	140.5

DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		(X) SIZES	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
20"	78"	130.0	165.0
24"		130.0	165.0
28"		130.0	165.0
32"		130.0	150.0
36"		130.0	150.0
40"		124.0	143.0
20"	84"	130.0	165.0
24"		130.0	165.0
28"		130.0	150.0
32"		118.0	136.2
36"		106.6	123.0

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		(X) SIZES	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
19-1/8"	26"	130.0	210.0
26-1/2"		130.0	210.0
37"		130.0	210.0
42"		130.0	165.0
19-1/8"	38-3/8"	130.0	210.0
26-1/2"		130.0	210.0
37"		130.0	165.0
42"		130.0	158.1
19-1/8"	50-5/8"	130.0	210.0
26-1/2"		130.0	165.0
37"		130.0	165.0
42"		130.0	159.8
19-1/8"	63"	130.0	165.0
26-1/2"		130.0	165.0
37"		130.0	165.0
42"		130.0	150.0
19-1/8"	76"	130.0	165.0
26-1/2"		130.0	165.0
37"		130.0	150.0
42"		130.0	133.1

EXTERIOR



GLAZING DETAIL

SERIES HC200 ALUMINUM CASEMENT WINDOW

DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER
CHARTS SHOWN ABOVE.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE
COMBINATIONS OF CASEMENT/CASEMENT OR CASEMENT WITH OTHER
MIAMI-DADE COUNTY APPR'D WINDOWS USING MIAMI-DADE COUNTY
APPROVED MULLIONS IN BETWEEN.
LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL
WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY
HURRICANE ZONE (HVHZ).

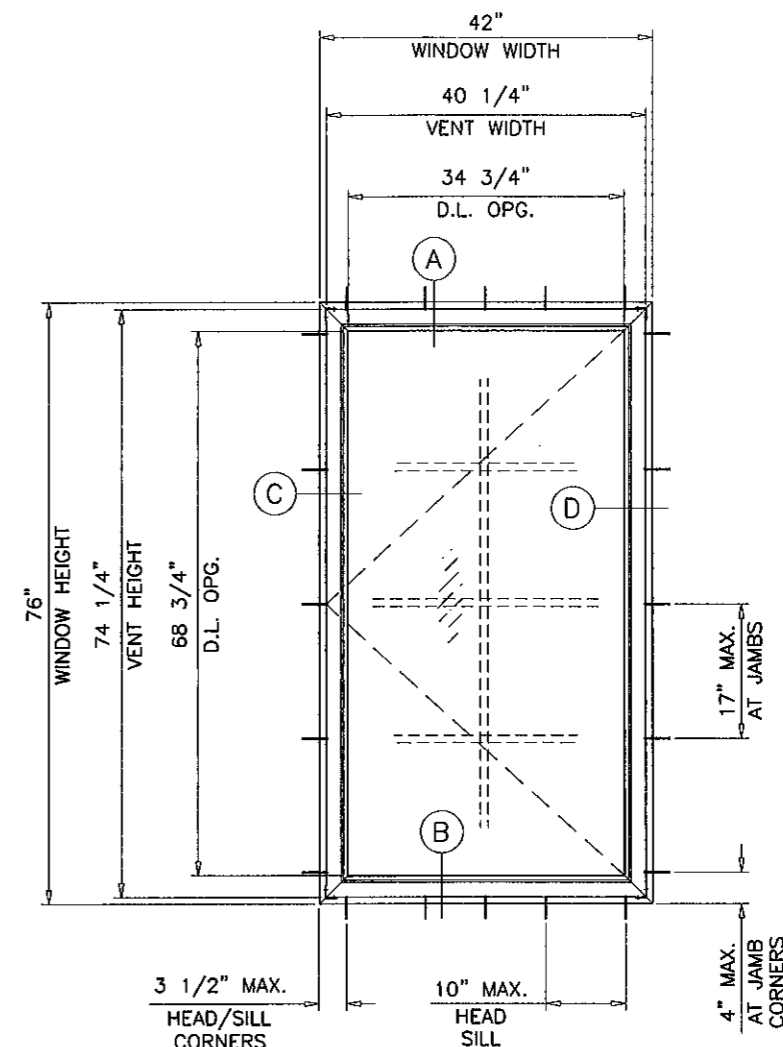
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER
LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS
EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE
NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.



TYPICAL ELEVATION

PRODUCT REVISED
as complying with the Florida
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By *[Signature]*
Miami Dade Product Control

THESE WINDOWS ARE RATED FOR SMALL MISSILE IMPACT.
MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS
REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.
SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

[Signature]

MAR 22 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

SERIES HC200 ALUMINUM CASEMENT WDW. (S.M.I.)

R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

COMP-ANL\W05-18RC

date: 04-08-05

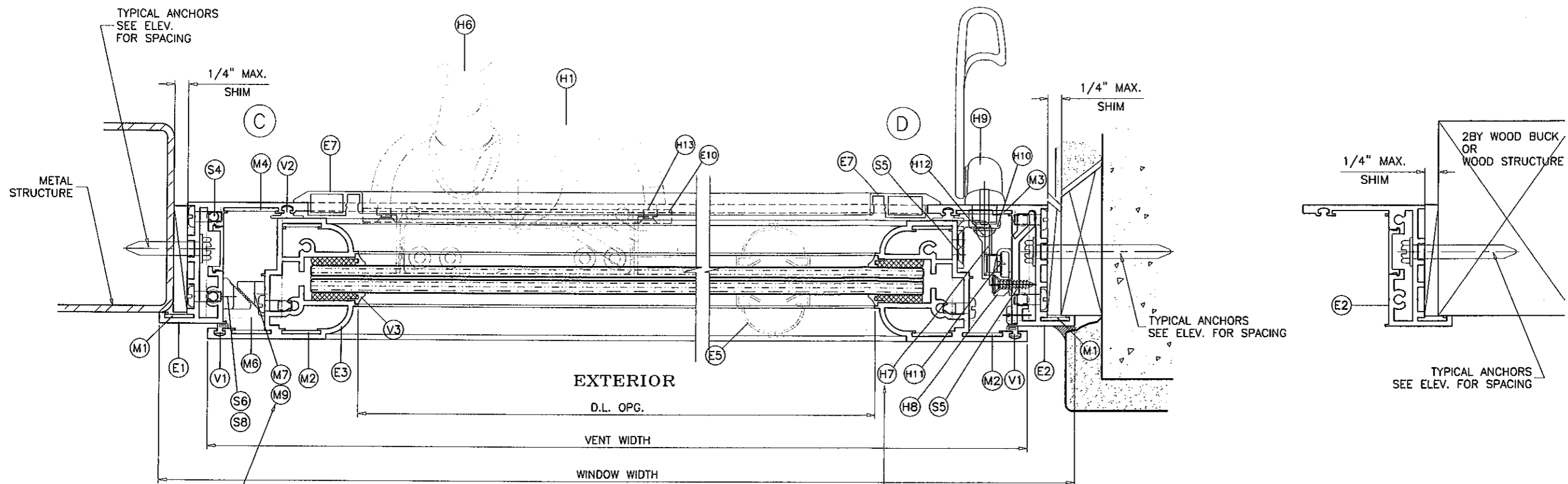
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dr. by: HAMID

chk. by:

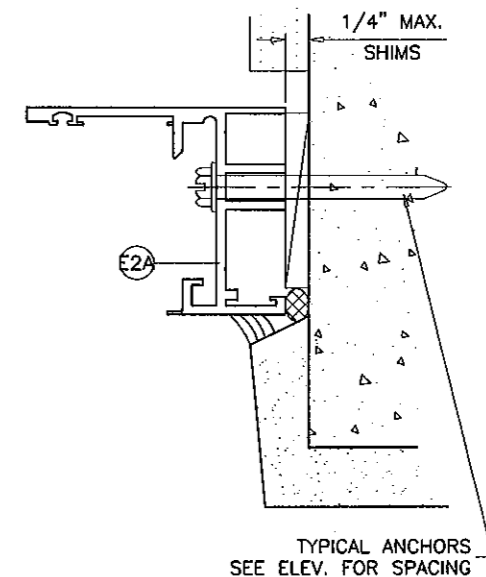
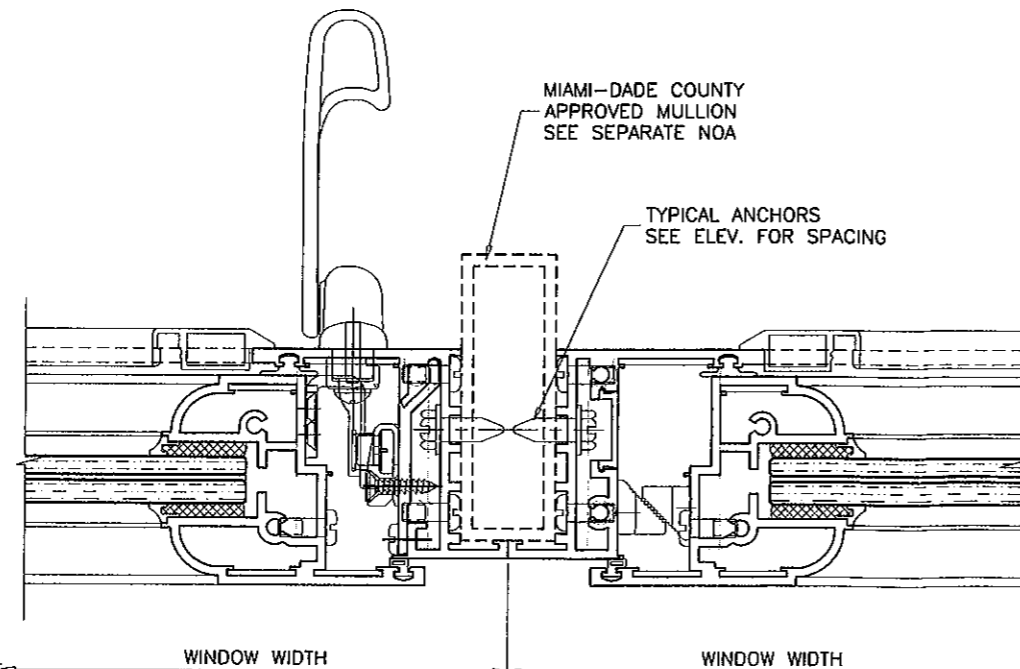
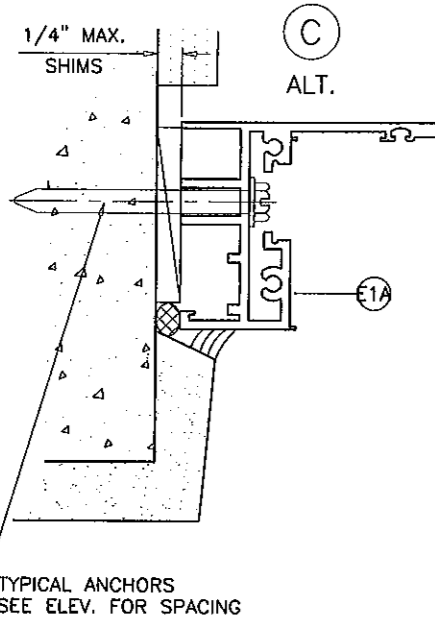
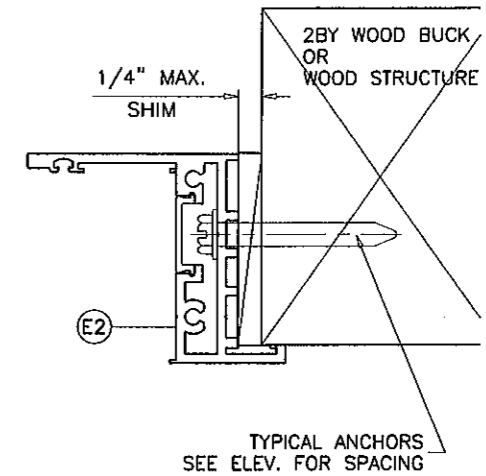
drawing no.
W05-18

sheet 1 of 5



SNUBBERS
 3 PLASTIC SNUBBERS UP TO 38-3/8" WDW. HTS.
 2 ALUM + 2 PLASTIC SNUBBERS UP TO 60" WDW. HTS.
 3 ALUM + 2 PLASTIC SNUBBERS OVER 60" WDW. HTS.

LATCH KEEPER
 3 PER JAMB UP TO 38-3/8" WDW. HTS.
 4 PER JAMB UP TO 63" WDW. HTS.
 5 PER JAMB OVER 63" WDW. HTS.



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 as complying with the Florida
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 Acceptance No. 12-0410-27
 Expiration Date 06/30/2015
 By *[Signature]*
 Miami Dade Product Control

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
[Signature]

MAR 22 2012

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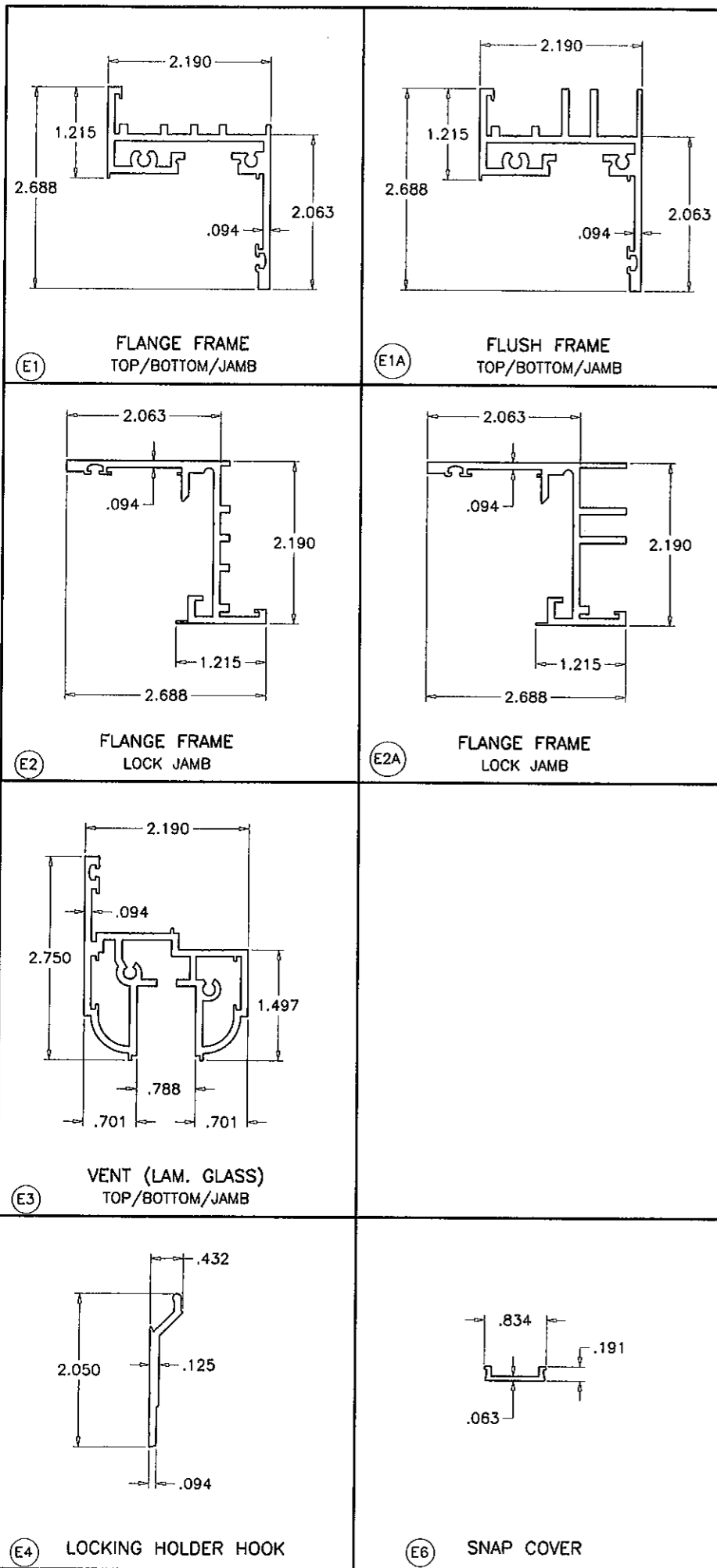
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
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SERIES HC200 ALUMINUM CASEMENT WDW. (S.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
 2805 N.W. 75 TH AVE.
 MIAMI, FL. 33122
 TEL. (305) 592-1515 FAX. (305) 592-2184

no	date	by	description
A	06.15.07		UPDATED FOR 2004 FBC
B	01.24.08		REV. PER BCCQ COMMENTS
C	06.23.09		UPDATED FOR 2007 FBC
D	03.19.12		NO CHANGE THIS SHEET

date: 04-08-05
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W05-18
 sheet 3 of 5



ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	HC200-001	3/ WDW.	FLANGE FRAME TOP , BOTTOM & JAMB (NON LOCK)	6063-T6	-
E1A	HC200-008	3/ WDW.	FLUSH FRAME TOP , BOTTOM & JAMB (NON LOCK)	6063-T6	-
E2	HC200-002	1/ WDW.	FLANGE FRAME LOCK JAMB	6063-T6	-
E2A	HC200-009	1/ WDW.	FLUSH FRAME LOCK JAMB	6063-T6	-
E3	HC200-003	4/ WDW.	VENT TOP , BOTTOM & JAMBS (LAM. GLASS)	6063-T6	-
E4	HC200-004	1/ WDW.	LOCKING HOLDER HOOK	6063-T6	-
E5	HC200-005	AS REQD.	OPTIONAL MUNTIN	ALUMINUM	-
E6	BD4500-015	4/ WDW.	SNAP COVER (OPTIONAL)	ALUMINUM	-
E7	1/ WDW.	-	SCREEN (OPTIONAL)	ALUMINUM	-
E10	CM100-022	-	ANCHOR ARM FOR ROTO OPERATOR	-	-
V1	V-059	AS REQD.	EXTERIOR W/STP. VINYL	PVC	-
V2	V-033A	AS REQD.	TR-5804N COMPRESSION GASKET (INSIDE)	NEOPRENE	TREMCO
V3	P-021 (OPTIONAL)	AS REQD.	COSMETIC COVER SEAL MELTPOINT	-	-
M1	HC200-M01	1/ CORNER	FRAME SMALL CORNER LOCK	ST. STEEL	16 GA.
M2	HC200-M02	3/ CORNER	VENT CORNER LOCK	ST. STEEL	16 GA.
M3	HC200-M03	1/ CORNER	FRAME LARGE CORNER LOCK	ST. STEEL	16 GA.
M4	HC200-M04	1	FRAME LARGE CORNER LOCK (AT ROTO OPERATOR ONLY)	ST. STEEL	16 GA.
M5	HC200-M05	1/ CORNER	LEFT HAND FRAME CORNER LOCK	6063-T6	-
M6	HC200-M06	1/ CORNER	RIGHT HAND FRAME CORNER LOCK	6063-T6	-
M7	HC200-M07	-	ALUMINUM SNUBBER	-	-
M8	P-030	-	NYLON CAM	-	-
M9	P#12206	-	NYLON SNUBBERS	-	-
M10		AS REQD.	1/8"X3/4" SETTING BLOCK	NEOPRENE	-
M12	HC200-M08	-	GUIDE HOUSING	ALUMINUM	-
M13	P-031	-	SHIM ANTI FRICTION	PLASTIC	-
H1	CD25	-	9.5" SINGLE ARM OPERATOR	ST/ST	ROTO HARDWARE
H3	CB304	1/ WDW.	SURFACE MOUNT OPERATOR	-	ROTO HARDWARE
H4	CB253	1	8.5 MM. OPERATOR BOTTOM SPACER	-	ROTO HARDWARE
H5	CB201	1	OPERATOR TOP SPACER	-	ROTO HARDWARE
H7	L1305-2111	3	KEEPERS	ST/ST	ROTO HARDWARE
H8	GT553	-	GUIDE HOUSING	-	ROTO HARDWARE
H9	LH088-7510	-	WHITE HANDLE	-	ROTO HARDWARE
H10	G2-HND-LPLT-02	-	HANDLE FASTENER PLATE	-	ROTO HARDWARE
H11	LB06	1	LOCK POINT STAINLESS STEEL	-	ROTO HARDWARE
H12	GT990	-	#10-32X 3/8" LG. PH. MACHINE SCREW (LOCKING HANDLE)	ST/ST	-
H13	M1000	-	#8-32X 3/4" LG. PHL. FH. THREAD CUTTING (ANCHOR ARM)	ST/ST	-
H14		2	4 BAR HINGE	-	TRUTH OR BRONZE CRAFT
S2		-	#10 X 3/8" LG. PH. PHL. SMS. (ARM-FRAME)	ST/ST	-
S3		-	#10 X 1/2" LG. PH. PHL. SMS. (ARM-VENT)	ST/ST	-
S4		-	#10 X 1-1/2" LG. PH. PHL. SMS. (ASSEMBLY)	ST/ST	-
S5		-	#8-32 X 1/2" LG. FH. PHL. (GUIDES-SURFACE MOUNT)	ST/ST	-
S6		-	#6 X 1/2" LG. FH. PHL. SMS. (SNUBBERS)	ST/ST	-
S7		-	#10 X 1/2" LG. PHL. FH. SMS.	ST/ST	-
S8		-	#6 X 1/2" LG. PH. SMS. ST/ST AT ALUM. SNUBBER	-	-

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[Signature]

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af c

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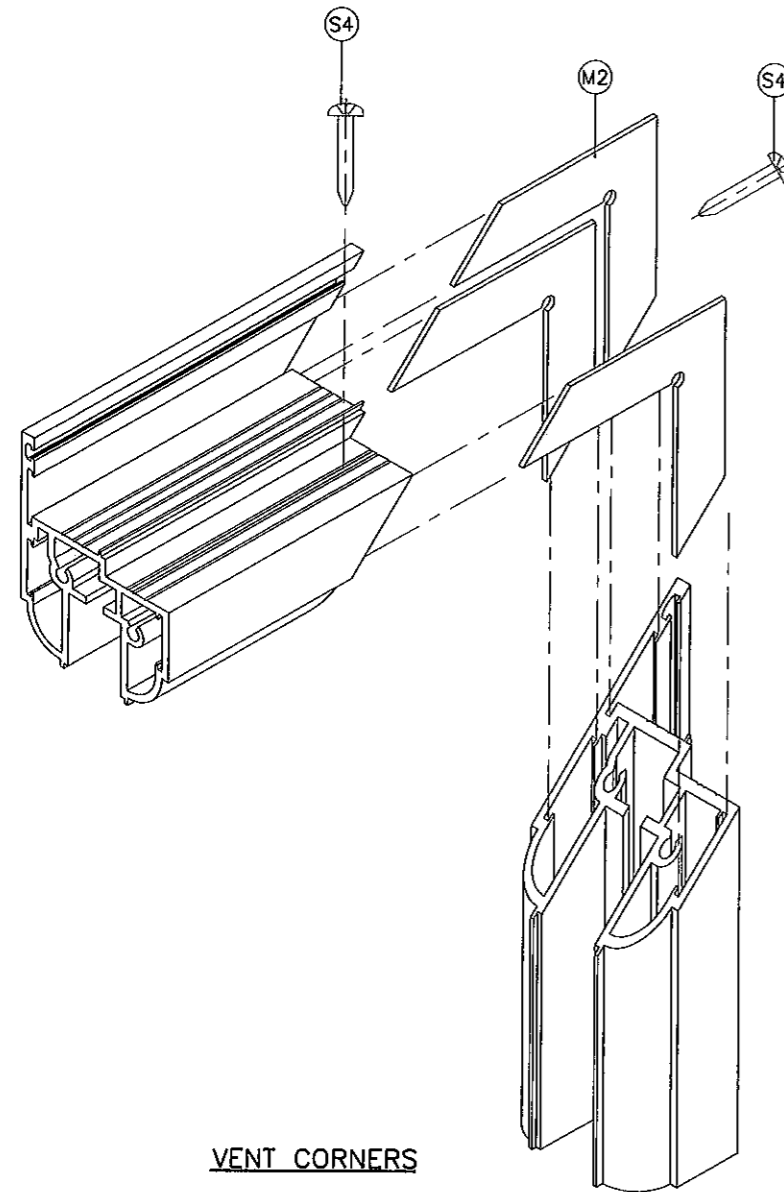
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no	date	by	description
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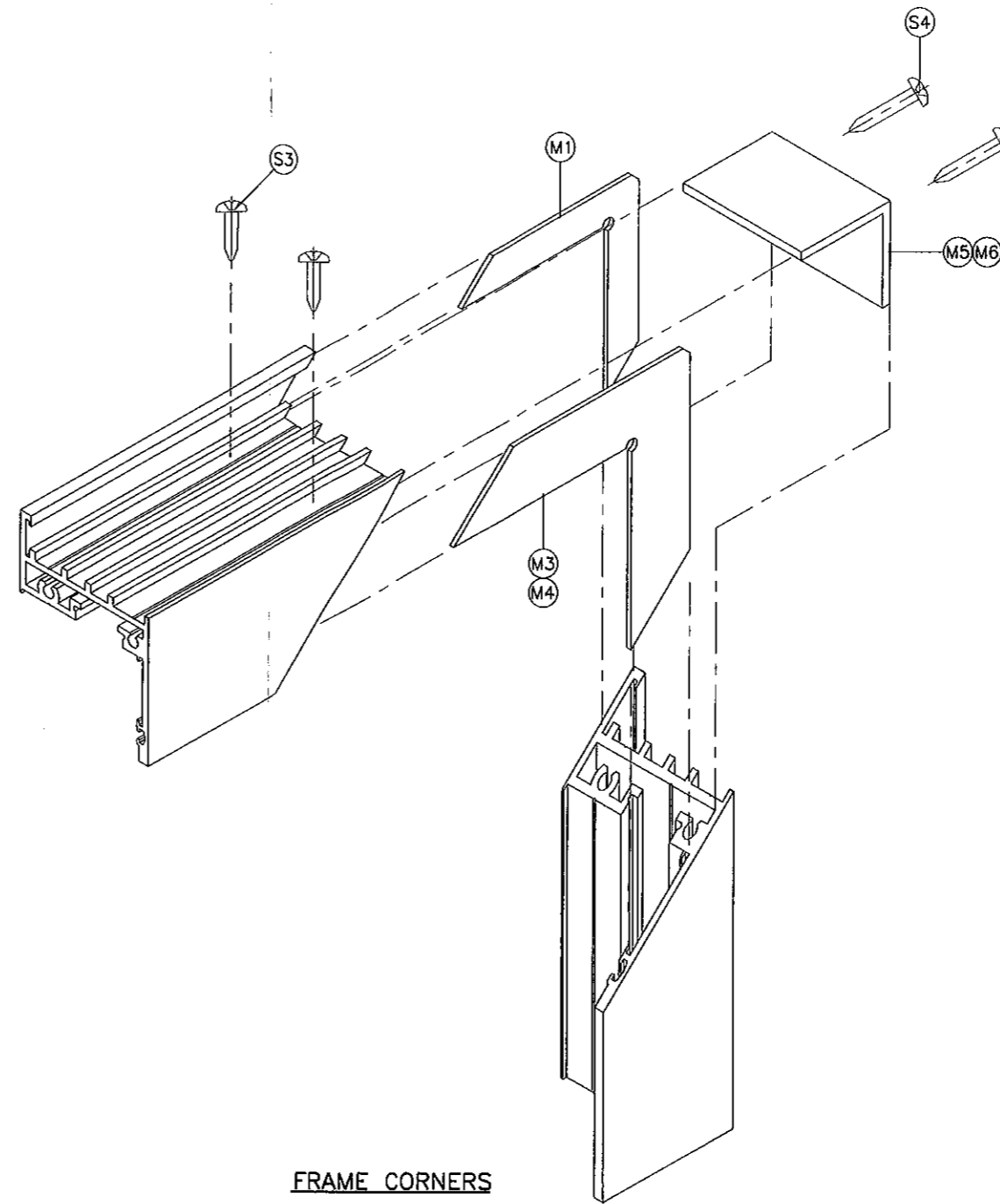
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scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W05-18

sheet 4 of 5



VENT CORNERS



FRAME CORNERS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0410.27
Expiration Date 06/30/2019
By: *[Signature]*
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
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[Signature]

MAR 22 2012

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revisions:

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sheet 5 of 5